

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*In re* Application of: )  
Mariagrazia Pizza *et al.* ) Prior Group Art Unit: 1648  
Serial No. TBA ) ) Prior Examiner: Mary MOSHER  
Filed: even herewith ) )  
 ) Atty. Dkt. No. PP-00305.119  
 ) 002441.00076

For: **IMMUNOLOGICALLY ACTIVE PEPTIDES WITH ALTERED TOXICITY USEFUL FOR THE PREPARATION OF ANTIPERTUSSIS VACCINE**

**SUBMISSION OF SUBSTITUTE SPECIFICATION**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants submit a substitute specification in the continuation application referenced above. This paper is accompanied by:

- a clean copy of a substitute specification under 37 C.F.R. § 1.125(c);
- a marked-up version of the substitute specification under 37 C.F.R. § 1.125(b)(2); and
- a statement under 37 C.F.R. § 1.125(b)(1) that the substitute specification includes no new matter.

We believe no fee is due in connection with this submission. If a fee is due, please charge our Deposit Account No. 19-0733.